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September 8, 1999

BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

Re: Filing of New U.S. Patent Application
Title: FINANCIAL ADVICE STRATEGY SYSTEM
Inventors: Barry BART
Atty. Dkt. No.: 47004-000030

Dear Sir:

Attached is a new patent application for filing in the United States Patent and Trademark Office including nineteen (19) pages of specification, four (4) pages of claims (numbered 1-16), one (1) page Abstract, and (9) sheets of drawing (labeled).

The filing fee is calculated as follows:

					Amount
Basic Filing Fee					\$ 760.00
Rate					
		Extra	Large Entity	Small Entity	
Number of Claims in Excess of 20	- 20	0	\$18	\$9	\$ 0
Independent Claims in Excess of 3	- 3	0	\$78	\$39	\$ 0
First Presentation of Multiple Dependent Claims			\$260	\$130	
TOTAL FEE DUE					\$ 760.00

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BOX PATENT APPLICATION

Page 2

A check for the filing fee will be submitted at the time we file our response to the Notice to File Missing Parts.

Please direct all communication concerning this application to:

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Respectfully submitted,

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Dated: September 8, 1999

APPLICATION FOR UNITED STATES LETTER PATENT

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TITLE: FINANCIAL ADVICE STRATEGY SYSTEM

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FINANCIAL ADVICE STRATEGY SYSTEM

Field of the Invention

The present invention relates to an interactive computer system for generating advice related to financial payment strategies that are tailored to a particular individual's changing economic circumstances. The system also generates customer negotiation advice based on the way in which an individual personally interacts with a system user when discussing the individual's economic circumstance. This process is accomplished through the use of descriptive icons displayed on a graphical user interface (GUI), each of which corresponds to a specific financial scenario. By using these descriptive icons, a user may readily obtain financial and other advice that is specifically tailored to the individual's current economic circumstance.

Background of the Invention

For a variety of reasons, people often find themselves unable or unwilling to pay their existing financial debt obligations. For example, a person can lose his or her job, suffer a serious accident or be struck down by a debilitating illness. As a direct result of such events, people may find themselves unable to work and, thus, suffer from a substantial reduction in income. In some of these cases, a person may receive supplemental income in the form of unemployment or disability benefits, while in other

more unfortunate cases, a person may not receive supplemental income of any kind. Indeed, even if supplemental income is received, such benefits typically last only for a limited time, or they may fail to adequately compensate an individual for the loss of their current income. Moreover, some people facing significant financial problems declare personal bankruptcy in order to alleviate their personal debt.

A number of banks and other financial institutions have developed alternative payment options under which customers can restructure their existing debt obligations during times of economic crisis when, due to circumstances such as those described above, they are presently unable to make scheduled debt payments. This problem often arises in the context of credit card debt due to a number of factors, including, the proliferation of credit cards issued and the spending habits of cardholders. In an effort to manage the risk associated with this situation, banks, credit unions and other financial institutions are seeking ways to collect outstanding credit card debt short of allowing customers to default on their obligations. This enables banks and other such institutions to avoid losses and the costs associated with the collection process for delinquent accounts.

Alternative payment options may range from relatively simple strategies, such as deferring a payment for a limited time, to more complex strategies, such as a flexible payment program under which customers are permitted to make reduced payments based on a percentage of their current income.

The alternative payment options best suited to a customer vary depending upon numerous factors, including, but not limited to: the customer's current debt obligations; the number and amount of such obligations; the reason(s) for which the customer cannot meet those obligations; the financial resources upon which the customer can draw, if any; and the customer's credit history. Consequently, identifying, analyzing and tracking the payment options available for a given individual's financial situation is typically a complex and time consuming task. This complexity is compounded by the fact that an institution's alternative payment options, as well as an individual's financial circumstances, often change periodically. Thus, payment options best suited to a customer's financial condition will vary as time passes and circumstances change.

Customer Support Representatives (CSRs) at banks, for example, who assist customers in identifying, analyzing and implementing alternative payment programs, typically do so on a transaction by transaction basis. As a result, it is sometimes difficult to identify the payment option(s) best suited and most beneficial to a customer and the bank.

In addition, people in financial difficulty often experience intense anxiety, anger, despondency and other negative feelings, often making such people difficult to interact with personally when discussing their financial problems. Currently, CSRs at banks and other financial institutions tend to rely on their own communication skills when interacting with customers under tense and stressful conditions. Yet, even in cases where

CSRs are trained in communicating with customers under such conditions, it is nevertheless difficult to ensure that appropriate responses are uniformly provided.

Thus, there exists a need for an efficient, user-friendly, interactive system capable of integrating pertinent information regarding a customer's financial condition, analyzing this integrated information, and generating payment options and other advice individually tailored and best suited to the customer's financial circumstances. At present such a system does not exist.

Summary of the Invention

It is one object of the present invention to resolve these and other drawbacks.

It is one object of the present invention to provide a system and method to advise customers regarding alternative payment options for their current debt obligations.

It is another object of the present invention to assist users in advising customers of alternative payment options for their current debt obligations.

It is another object of the present invention to analyze a customer's financial information.

It is another object of the present invention to generate payment options and other advice specifically tailored to a customer's current financial condition based on the customer's analyzed financial information.

It is yet another object of the present invention to enable a user to obtain information regarding payment options specifically tailored to a customer's current financial condition using graphical icons.

It is another object of the present invention to provide advice to assist and otherwise guide a user in interacting with individuals that the user is advising.

Other features and aspects of the present invention will be apparent from the drawings and detailed description of the invention.

Brief Description of the Drawings

Fig. 1 is a block diagram of the system according to the present invention.

Fig. 2 is a flow chart illustrating the steps by which one embodiment of the present invention may be implemented.

Fig. 3 is a flow chart illustrating the processing steps by which one embodiment of the present invention may be implemented.

Fig. 4 depicts a support GUI containing descriptive icons and other graphical and textual information according to one embodiment of the present invention.

Fig. 5 depicts one coach window according to the present invention, overlaying a portion of the support GUI, and showing a query panel and advice panel.

Fig. 6 depicts another coach window according to the present invention showing a query panel and advice panel.

Fig. 7 depicts another coach window according to the present invention showing a query panel and advice panel.

Fig. 8 depicts another coach window according to the present invention showing a query panel and advice panel.

Fig. 9 depicts another coach window according to the present invention showing a query panel and advice panel.

Detailed Description of the Preferred Embodiments

The preferred embodiments of the present invention provide a system and method for generating advice related to financial payment options specifically tailored to an individual's economic circumstances and for generating customer negotiation advice based on the way in which an individual personally interacts with a system user when discussing the individual's economic circumstances. Among other things, the system generates substantive advice on topics such as the positive benefits derived from making scheduled payments, the negative consequences arising from not making such payments, and information regarding possible alternative sources of income. The preferred embodiments also provide a system and method for generating various approaches to negotiations between an individual and a representative of an entity with which the individual has a financial relationship. By way of example, the present invention and preferred embodiments described herein are discussed in the context of credit card

operations at a bank. In this context, the present invention will preferably be used by Customer Support Representatives (CSRs) employed by the bank whose job, among other things, is to interact with the bank's credit card holders (hereinafter referred to as customers).

According to one preferred embodiment, the system and method of the present invention is accomplished by the system shown in Fig. 1. Referring to Fig. 1, system 1 includes data input object 3, storing object 5, network server 7 and output object 9. Data input object 3 operates to receive input from a variety of sources. As such, data input object 3 encompasses any device capable of inputting and receiving data, such as, but not limited to, input by way of a keyboard, keypad, coding mechanism, voice recognition, or any other electronic method. Preferably, data input object 3 is a keyboard or mouse operatively connected to a computer terminal with a display, where the computer functions as part of a client-server computer network.

Data received by data input object 3 is relayed to network server 7 which may store, compile and process various system modules and data. As shown in Fig. 1, according to one embodiment of the present invention, network server 7 includes strategy processor 17, icon-to-strategy module 11 (ITS Module), auxiliary customer data module 13, and strategy data module 15. Notably, this architecture is exemplary only and the system of the present invention can be implemented in a variety of different computer network types. For example, strategy processor 17, icon-to-strategy module 11 (ITS Module), auxiliary customer data module 13, and strategy data module 15 can reside on a

stand alone computer which itself is operatively connected to storing object 5 and other system components shown and not shown. Or, for example, the system and method can be operated in an Internet-related environment where many or all of the system components discussed herein reside on or may be accessed by the way of the Internet.

Network server 7 will preferably interact with storing object 5, output source 9 and other components comprising or connected to the system, such as other servers and data terminals within the system, or other computer or telecommunications networks including the Internet. Storing object 5 stores data for the operation of the system. Storing object 5 comprises any medium capable of storing electronic data, including, but not limited to, databases, RAM, cache, CD or magnetic disk, or any combination thereof. According to one preferred embodiment, system 1 encompasses a number of storing object databases which interact and exchange information and data with network server 7. Output object 9 encompasses any device capable of outputting or transmitting data in any form. As such, output object 9 can be a printer, computer or computer display, modem, facsimile transmission or any other electronic or telecommunication device which performs a similar or related function. Notably, when data input object 3 includes a display, it may also function as an output object.

Fig. 2 is a flow chart illustrating one set of general procedures by which the present invention may be implemented. The process begins when a CSR obtains a customer's account information from the system as shown in step 19 of Fig. 2. The information is preferably displayed on a CSR's computer screen as part of a graphical

user interface (support GUI). After this account information is retrieved and displayed, the CSR engages the customer in a discussion in order to ascertain the exact nature of the customer's specific financial difficulties. Based on this discussion, the CSR then classifies the customer's situation according to a plurality of predetermined categories, referred to herein as call types, as shown in step 21. The CSR then selects a graphical descriptive icon displayed on the support GUI which most closely corresponds to the customer's situation, step 23 of Fig. 2. These descriptive icons are discussed in detail below. According to one embodiment, the CSR is then presented with another GUI comprising two main portions, one containing a set of predetermined questions and predetermined answers to those questions, and a second portion with space for displaying advice based on the answers to the predetermined questions. As shown in Fig. 2 step 25, the CSR obtains answers to the displayed questions from the customer. Next, the CSR selects predetermined answers appearing with the questions which most closely correspond to the answers received from the customer, as shown in step 27. The CSR then, as indicated by step 29 of Fig. 2, chooses from a variety of action items to either obtain advice from the system for the selected answers, obtain a new set of questions for a different call type by selecting a new descriptive icon, clear the screen or end the session.

This general system and procedure will now be explained in greater detail. As shown in Fig. 3 step 41, upon initial contact with a customer, a CSR uses data input object 3 to retrieve that customer's general account information from the system, where

such data typically resides on storing object 5 or network server 7. This is done, for example, by obtaining from the customer and inputting into data input object 3 certain preliminary information, such as the customer's account number or social security number. As shown by step 43, the retrieved customer information is preferably shown, along with other data, as part of a support, graphical user interface GUI 57 (support GUI). Fig. 4 illustrates a support GUI 57 according to the present invention. Support GUI 57 is preferably comprised of a number of sub panels with each panel containing graphical and/or textual information related to the customer and the system's operation. The GUI of Fig. 4, for example, contains distinct panels containing personal information on the customer 59, a calendar 61, a system control panel 63 for further interaction with the system, and a group of descriptive icons 65 according to the present invention.

Once the customer's general information is retrieved and displayed, a CSR then engages the customer in a discussion and attempts to elicits comments from the customer about the state of his or her current economic circumstance, as shown in Fig. 2 step 19. By this personal interaction, the CSR obtains an accurate picture of the customer's economic problem. For example, during such a discussion a customer may inform the CSR that he or she cannot make upcoming, scheduled payments for the balance of his or her credit card debt because either the customer or someone in the customer's household recently lost their job. Or, in some instances, a customer may simply state that they will not pay this credit card debt and offer no explanation to the CSR at all.

Based upon the customer's comments or lack thereof, a CSR then selects a specific descriptive icon from the group of icons 65. Each descriptive icon represents a distinct scenario reflecting either or both a customer's economic position and interactive response with the CSR. For example, as depicted in Fig. 4, there may exist descriptive icons for a customer who cannot make scheduled credit card payments due to bankruptcy 67, a reduction of income 69, lack of money 71, refusal to pay 73 or lack of motivation 75. As noted above, each customer circumstance represented by a descriptive icon is generally referred to as a call type. Significantly, although Fig. 4 and other figures illustrate only the five call type descriptive icons noted above, the system and method of the present invention can encompass any number and variety of descriptive icons and associated call types and is in no way limited by the call types and descriptive icons discussed herein.

Accordingly, based on the customer's preliminary explanation, or lack of explanation, of why he or she cannot pay their existing debt, the CSR will select, as shown in Fig. 2 step 23, a descriptive icon that most closely corresponds with the scenario determined during the ensuing customer contact. Thus, referring to the foregoing example of a customer who cannot make payments because he or she has lost his or her job, a CSR will select the descriptive icon labeled "Reduced Income" 69.

Referring to Fig. 3, when a CSR initially requests a customer's preliminary account information as shown in step 19 of Fig. 2, the system retrieves the data from storing object 5 on which the data resides as shown in step 41 of Fig. 3. The system then

displays the information in support GUI 57 as shown in step 43. After the CSR chooses a descriptive icon, ITS Module 11 operates to obtain from the system a preliminary set of predetermined strategies that map to the icon chosen, as indicated by step 45. These predetermined strategies are preferably contained within a configuration parameter file which, preferably, resides on network server 7. Each strategy encapsulates specific knowledge and decision points which relate to the subject of the descriptive icon chosen.

The preliminary set of predetermined strategies and corresponding parameters retrieved by ITS Module 11, are formatted and displayed in another GUI referred hereinafter as a coach window, as shown in Fig. 3 step 47. Such a coach window 77 is shown in Fig. 5. Notably, according to one embodiment of the present invention, coach window 77 may be superimposed on support GUI 57, such that the coach window overlays one or more panels of the support GUI. For example, Fig. 5 shows a preferred coach window for the "Reduced Income" descriptive icon call type superimposed over the lower left portion of support GUI 57. A coach window can be repositioned anywhere on the CSR's display by dragging the window using known techniques. This allows the CSR to have ready access to customer information displayed on support GUI 57.

Referring again to Fig. 5, one preferred embodiment of using and displaying a coach window is illustrated. In this embodiment, coach window 77 is separated into two main components, query panel 79 and advice panel 81. Query panel 79 contains within it one or more questions which the CSR needs to obtain answers to during interaction with the customer. The questions correspond to the strategies retrieved by ITS Module 11

which themselves correspond to specific call type parameters related to the descriptive icon selected by the CSR. For example, questions in query panel 79 of Fig. 5 are those pertinent to the "Reduced Income" call type, such as questions related to reasons for the customer's reduction income, the estimated time frame for the income reduction, and means by which the customer plans to remedy the situation, if any. Under each question are one or more predetermined answers each with its own radio button, such as radio buttons 83. The CSR selects the radio button for the predetermined answer which most closely corresponds to the customer's situation, as indicated by step 27 of Fig. 2. As shown, radio button 83 is a graphical circle which, when selected by the CSR using a mouse or some other device, is filled-in to indicate visually that the button has been selected. Although radio buttons are shown and described herein for this purpose, other known techniques of indicating the selection of an item can be used to accomplish the same result.

After a CSR completes the questioning process and selection of predetermined answers, the CSR selects the graphical button 85 labeled "Advice," as shown in Fig. 2 step 29 ("Obtain Advice"). Selecting graphical "Advice" button 85 causes the system to access the customer's account information via auxiliary customer information module 13, access strategy fact file data via strategy data module 15. These processing steps are depicted in Fig. 3 step 49. This retrieved data is then transmitted to strategy processor 17 as shown in step 51 of Fig. 3 where strategy processor 17 processes the information, as shown in step 53 of Fig. 3, and generates advice related to payment options most suitable

to the customer's situation and advice on how to further negotiate and interact with the customer. The payment options and advice generated by strategy processor 17 are displayed on the CSRs computer screen, as shown in step 55. More specifically, as shown in Fig. 7, these payment options and advice are displayed in the advice panel 87 of coach window 91 along side query panel 93. Once the advice is displayed, the CSR may then choose from among the advice prompts to provide the customer with information regarding payment options and other related information. Examples of such advice prompts are shown in advice panel 87 of Fig. 7.

Referring to Fig. 5, in order to facilitate the advisory process, coach windows also display in addition to the query and advice panels, a number of other graphical buttons. As shown in Fig. 5, one such button is "Clear All" graphical button 95. This button is preferably present on all coach window types. When selected, the system clears all of the radio button selections for the predetermined answers to the questions shown in the query panel for the current call type selected. In this way, the system permits a CSR to obtain multiple advice prompts for a given call type without the need to reinitiate the process from the very beginning.

Referring to Fig. 5 again, the coach window also displays the group of descriptive icons 97 for the call types enabled by the system. In this way, a CSR is able to switch between call types at any time during the course of a customer contact. Thus, for example, after completing all of the questions for a given call type and generating advice specific to the answers to those questions, a CSR can then select another call type and

repeat the process. According to one embodiment, as long as the CSR does not select “Clear All” graphical button 95 on a coach window, the system will retain all of the payment option suggestions and advice for all queries made for each call from which advice was generated.

Should a CSR wish to end a session, the “Close” graphical button 99 shown in Fig. 5 may be selected. When this button is selected, the system closes the current coach window and causes the support GUI 57 to be displayed. According to one preferred embodiment, however, query information contained in a query panel or advice contained in a advice panel are retained as long as “Clear All” button 95 is not selected.

As noted above, the system of the present invention preferably comprises at least the five call types depicted by descriptive icons 67, 69, 71, 73 and 75. Referring to Fig. 5, the coach window corresponding to the “Income Reduced” descriptive icon 69 call type is displayed. According to one preferred embodiment, the query panel contains questions as to why the customer’s income has been reduced, the time frame within the situation is expected to improve and how the customer plans to handle the situation. These questions are exemplary only, and any number and type of question may be asked. Also, according to one preferred embodiment, radio buttons for predetermined answers corresponding to query panel questions are provided for selection by the CSR. Numerical entry or other entry field types may be used for the selection of answers, together with, or in lieu of, the radio buttons.

Referring to Fig. 6, the coach window corresponding to the “No Money” descriptive icon 71 call type is displayed. According to one preferred embodiment, the query panel contains questions as to why the customer has no money, whether and at what time the customer’s situation may improve and how the customer is paying his or her other bills, if at all. These questions are exemplary only, and any number and type of question may be asked. Also, according to one preferred embodiment, radio buttons for predetermined answers corresponding to query panel questions are provided for selection by the CSR. Numerical entry or other entry field types may be used for the selection of answers, together with, or in lieu of, the radio buttons.

Referring to Fig. 7, the coach window corresponding to the “Bankruptcy” descriptive icon 67 call type is displayed. According to one preferred embodiment, the query panel preferably contains questions as to whether the customer has retained an attorney, why the customer is planning to file for bankruptcy and at what time the customer’s situation may improve. These questions are exemplary only, and any number and type of question may be asked. Also, according to one preferred embodiment, radio buttons for predetermined answers corresponding to query panel questions are provided for selection by the CSR. Numerical entry or other entry field types may be used for the selection of answers, together with, or in lieu of, the radio buttons.

Referring to Fig. 8, the coach window corresponding to the “Refusal to Pay” descriptive icon 73 call type is displayed. According to one preferred embodiment, the query panel preferably contains questions as to why the customer refuses to pay his debt,

what dispute, if any, the customer has with another party from which the debt arises and whether or not the customer is dissatisfied in some way. These questions are exemplary only, and any number and type of question may be asked. Also, according to one preferred embodiment, radio buttons for predetermined answers corresponding to query panel questions are provided for selection by the CSR. Numerical entry or other entry field types may be used for the selection of answers, together with, or in lieu of, the radio buttons.

According to one embodiment, the selection of certain predetermined answers will require that certain related questions appearing in the query panel be answered before advice may be properly requested and generated. For example, if a customer were to indicate that he or she was refusing to pay his debt because of some dispute, the CSR would need to select an answer to the question directed to disputes. In such an instance, it is not required that all questioned be answered for the system to be able to generate and display relevant advice.

Referring to Fig. 9, the coach window corresponding to the “Unmotivated” descriptive icon 75 call type is displayed. According to one preferred embodiment, the query panel preferably contains questions as to why the customer is unmotivated, whether the customer fits one or more predetermined profiles whether the customer is able to pay his debts. These questions are exemplary only, and any number and type of question may be asked. Also, according to one preferred embodiment, radio buttons for predetermined answers corresponding to query panel questions are provided for selection by the CSR.

Numerical entry or other entry field types may be used for the selection of answers, together with, or in lieu of, the radio buttons.

The query panel on a coach window may also include in addition to questions and their associated predetermined answers, a reference prompt with radio buttons associated with various related topics and categories related to a certain call type. According to one embodiment, these reference prompts allow a CSR to limit the number of feedback categories of financial and negotiation related statements provided in the respective advice panels of the various coach window call types. The query panel of Fig. 9 illustrates one such reference prompt 101. Thus, for example, by selecting radio button 103 for "Benefits," the system will retrieve and display advice limited to the benefits of payment and bringing the customer's account current. Preferably, multiple categories may be selected at any given time, thereby allowing a CSR to manipulate the advice feedback that is most pertinent to a customer's situation.

Other embodiments, features and uses of the present invention will be apparent to those skilled in the art from a consideration of the specification, accompanying drawings and practice of the invention disclosed herein. Accordingly, the specification and examples set forth above should be considered exemplary only. The scope of the invention is limited only by the claims appended hereto.

Claims

What is claimed is:

1. A system for providing financial payment advice specifically tailored to an individual's economic situation, comprising:

an interactive user application running on a computer, said computer having a display operatively connected to said computer;

a first graphical user interface (GUI) displayed on said display of said computer, said first GUI comprising one or more descriptive icons, said descriptive icons representing one or more financial situations;

a second GUI displayed on said display of said computer, said second GUI comprising one or more questions; and

a processor, said processor operative to generate negotiation and financial payment advice in response to answers to said one or more questions, said advice displayed on said display.

2. The system of claim 1 wherein said computer operates within a network, said network comprising a plurality of file servers, said file servers comprising a plurality of databases.

3. The system of claim 1 wherein said system is operable to generate advice on negotiation strategies for interacting with said individual.

4. The system of claim 1 wherein said second GUI comprises at least one of predetermined questions and predetermined answers to said predetermined questions.

5. The system of claim 1 wherein said second GUI further comprises a window for displaying said advice together with said questions.

6. The system of claim 1 wherein said second GUI further comprises one or more descriptive icons.

7. The system of claim 1 wherein said second comprises means for specifying the type of said advice generated by said system.

8. In a computer system comprising a CPU, RAM and a display, a method of providing financial payment advice specifically tailored to an individual's economic situation, comprising the steps of:

retrieving said individual's account information;

displaying said account information on a first graphical user interface (GUI) on said display;

retrieving strategy data in response to the selection of a descriptive icon, said descriptive icon representing one financial situation, where said descriptive icon is displayed as part of said first GUI;

displaying a second GUI on said display, said second GUI comprising one or more questions;

processing answers to questions generated by said system in response to said selection of said descriptive icon, said questions related to said financial situation;

retrieving financial payment advice data related to said answers to said questions;

and

displaying said financial payment advice on said display.

9. The method of claim 8 further comprising the step of generating advice on negotiation strategies for interacting with said individual.

10. The method of claim 8 further comprising the step of displaying said advice together with said questions.

11. A method for providing financial payment advice specifically tailored to an individual's economic situation, comprising the steps of:

obtaining information related to said individual's financial account;

classifying said individual's economic situation;

selecting a descriptive icon, said descriptive icon representing one financial situation, where said descriptive icon is displayed on a first graphical user interface (GUI) displayed on a display of a computer;

obtaining answers to questions offered in response to said selection of said descriptive icon, said questions displayed on said first GUI where said questions are related to said financial situation;

inputting said answers to said questions; and

requesting financial payment advice based on at least said answers to said questions.

12. The method of claim 11 further comprising the step of specifying the type of said advice generated by said system.

13. A system for providing financial payment advice specifically tailored to an individual's economic situation, comprising:

an interactive user application running on a computer, said computer having a display operatively connected to said computer;

a graphical user interface (GUI) displayed on said display of said computer, said GUI comprising one or more descriptive icons, said descriptive icons representing one or more financial situations;

means for inputting into said system information specific to said individual;

means for generating financial payment advice based at least in part on said information specific to said individual; and

means for displaying said advice.

14. The system of claim 13 further comprising means for generating advice on negotiation strategies for interacting with said individual.

15. The system of claim 13 further comprising means for specifying the type of said advice generated by said system.

16. The system of claim 13 further comprising means for further refining said advice.

Abstract of the Disclosure

A system and method are disclosed for analyzing an individual's financial information and generating advice related to financial payment and negotiation strategies specifically tailored to the individual's current economic situation. This process is accomplished through the use of a primary support graphical user interface (GUI) which contains, among other things, descriptive icons representing distinct financial scenario categories. A user obtains information regarding the individual's current economic situation and selects a descriptive icon which most closely corresponds to that situation. A graphical window is then displayed which contains a set of predetermined questions and corresponding predetermined answers. The user inputs answers to the questions based on the individual's input. The user then instructs the system to generate advice on payment options and negotiation strategies most relevant to the individual's situation. The advice is displayed and the user relates the advice to the individual.

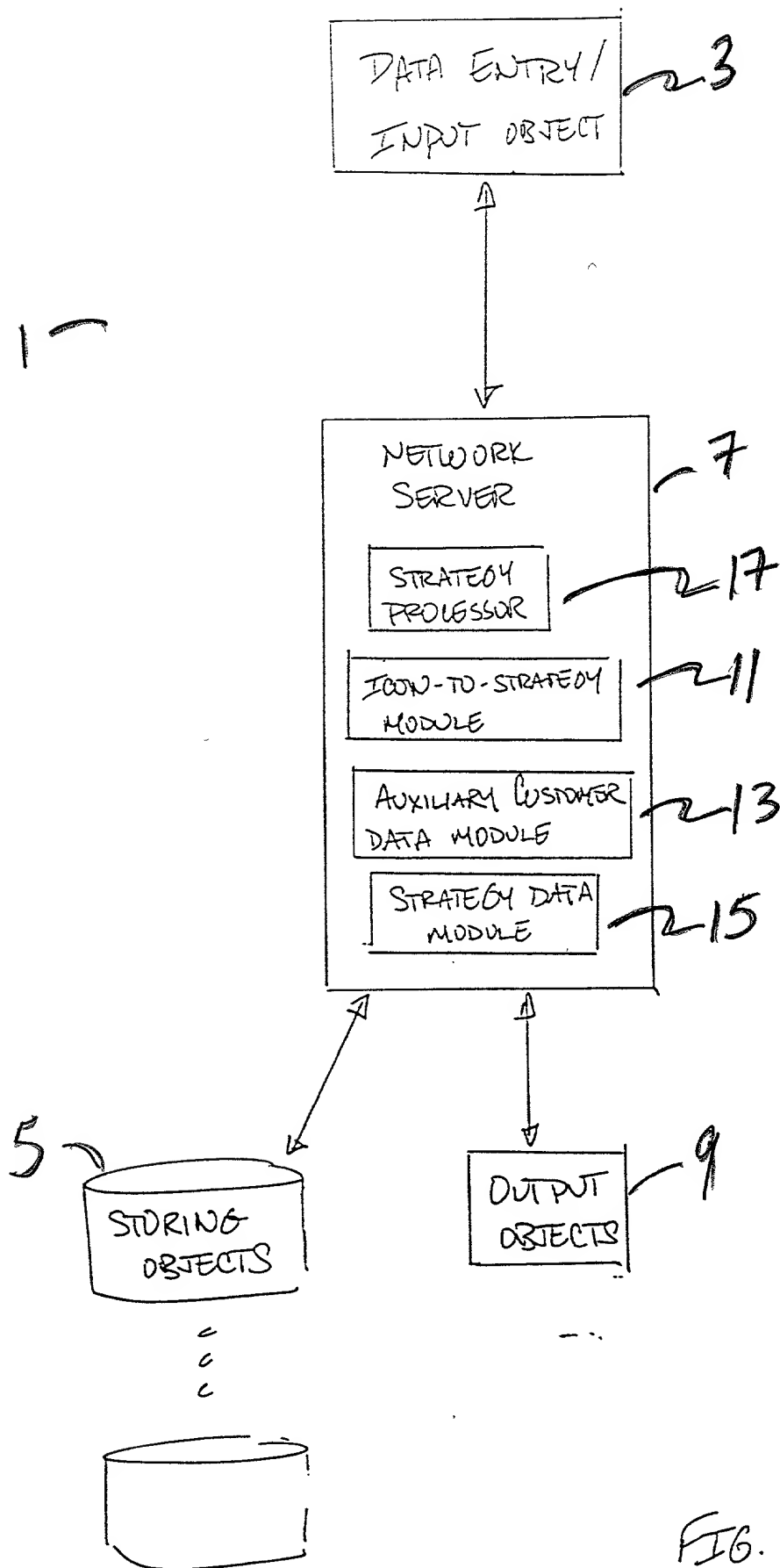


FIG. 1
SYSTEM DIAGRAM

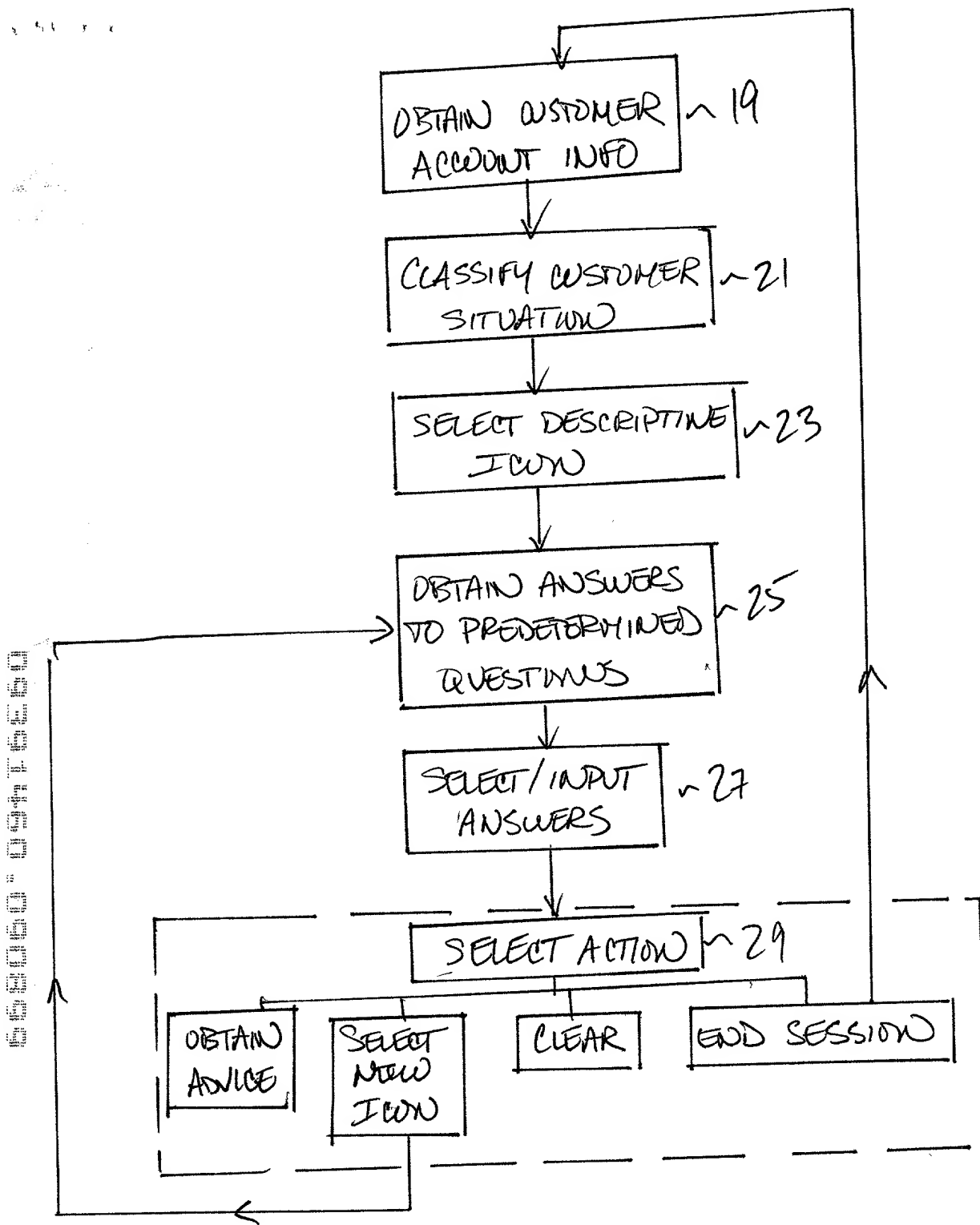


FIG. 2

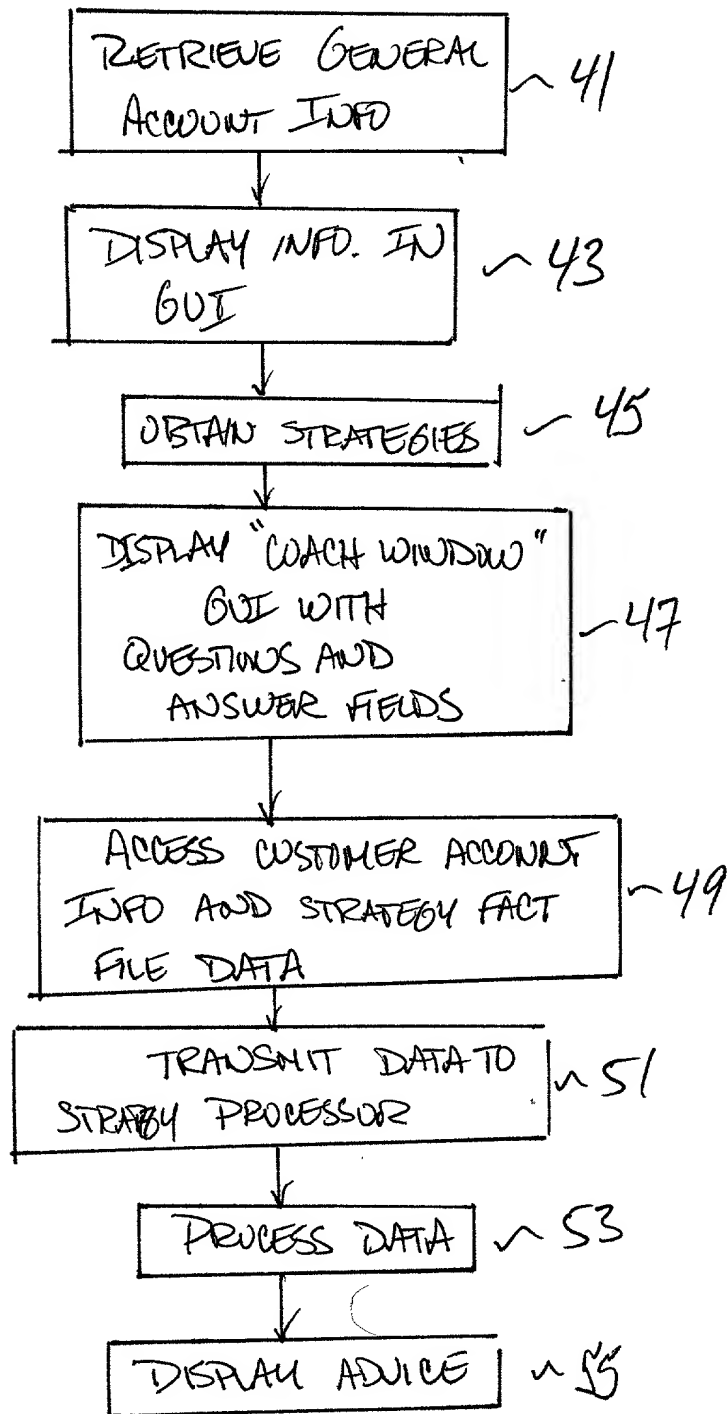


FIG. 3

First Support Screen with First Coach

First USA Bank - First Support: 75.7.1 Logon: Time: 09:59 AM CSR ID: COG TEST DVOP:

Time: 03/01/99 10:53 AM Running Accounts for Today Amount Promised FIRST USA

MC: ECC AUGUST UNIVERSITY ALUMNI External Status: E-Revoked Suggestions

Name: Smith, John Amt Due: \$333.00 * Eligible for EFFORT: \$120
 Amt Delq: \$263.00 Eligible for ASSIST
 Days Delq: 146

Acct: 5417-7234-5678-9876 Update Balance: \$2803.78
 SSN: 222-33-4444 (302) 444-5745 (302) 565-9457 Credit Line: \$3000.00
 362 Pay Plan Avail Credit: \$196.00

Amvown DE 1111-7111 Last Payment: 09/25/98
 Last Monetary: 09/25/98
 P-Payment

Calendar List AE's Memos Etr/Ord

January February March

Sun Mon Tue Wed Thu Fri Sat

31 1 2 3 4 5 6

7 8 9 10 11 12 13

14 15 16 17 18 19 20

21 22 23 24 25 26 27

28 29 30 31

7 8 9 10 11 12 13

Action Entry

DP-Promise To Pay - Day
 CC-Cardmember Contact - Day
 CO-Call Other - Day
 NA-No Call - NA
 CL-No Call - Letter
 OR-No Call - Ordered
 LA-Skip/No Contact

Control Panel

DP Home DP Work
 DP QTH Search Mod
 Load Last Load Next Idle






	Bankruptcy Mentioned	CM is thinking about filing for bankruptcy or explicitly states "I am going to file for bankruptcy."
	Income Reduced	CM has some income, but not as much as in the past, due to pay cut, unemployment, medical bills etc...CM is able to pay some bills.
	No Money	CM has no income or very little money, just enough to cover essentials.
	Refusal	CM refuses to pay First USA.
	Unmotivated	CM doesn't care about paying First USA. They have the money to pay, but they do not see the importance of paying on time.

Fig. 5

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77-83

A diagram of a horizontal beam. A downward-pointing arrow is located at the center of the beam. Two upward-pointing arrows are located at the left and right ends of the beam. The beam is labeled with handwritten numbers: 85 on the far left, 79 on the left side, 97 in the center, 95 on the right side, 81 on the right side, and 99 on the far right.

Note: The questions that appear in the Query Panel will vary depending on which call type icon you selected.

7

The First Coach Window (No Money)

Fig. 6

This region displays questions which you will need to obtain answers to during your conversation with the CM to generate suggestions in the Advice Window. Simply click on the radio button under each question that most accurately reflects the CM's situation.

The screenshot shows a window titled "First Coach". It is divided into two main sections: "Query Panel" on the left and "Advice" on the right. The "Query Panel" contains several sections of questions with radio button options:

- CM's reason for not having any money:**
 - ☒ Unemp/Overext
 - ☐ Death in family
 - ☐ Divorce/Marital
 - ☐ Medical/Disability
- Situation should improve in:**
 - ☒ 1-3 months
 - ☐ 3-6 months
 - ☐ 6-12 months
 - ☐ Don't know
- How is CM paying other bills?**
 - ☒ Family/Friends
 - ☐ Unemp/WrkComp
 - ☐ SS/Savings
 - ☐ Don't know/Other
- QUICK REFERENCE OF:**
 - ☐ Consequences
 - ☐ Benefits
 - ☐ Sources of money
 - ☐ Job sources

At the bottom of the "Query Panel" is a row of icons representing different call types: "BK Rent", "Inc Red", "No Money", "Refusal", and "Unwilling". Below these icons are two buttons: "Clear All" and "Close".

The "Advice" window on the right is currently empty, but it contains a text box that says: "The answers that you provide in the Query Panel, combined with the CM's account information in First Support, will generate suggestions to assist you in collecting from the CM."

After completing the questions in the Query Window, click on the Advice Button to notify First Coach that you are ready to receive advice.

This button clears all of the radio buttons in the Query Panel and the suggestions in the Advice Window for the current call type you have selected.

You can switch between call types at any time during the course of the call. After completing all of the questions for a given call type and selecting the Advice Button to obtain suggestions from First Coach, you could then select another call type and repeat the process. As long as you do not select the Clear All button between selections, First Coach will retain its suggestions for each call from which you received advice.

This button will close the First Coach Window. The information will be retained until the call is released, as long as you do not select the Clear All button.

First Coach Window with Advice (Bankruptcy Mentioned)

Fig. 7

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The screenshot shows a software window titled "First Coach". It is divided into two main sections: "Query Panel" on the left and "Advice" on the right. The "Query Panel" contains three questions with radio button options. The first question is "Has CM fully retained an attorney?" with options "Yes" and "No". The second question is "Why is CM planning to file for bankruptcy?" with options "Divorce/Marital", "Medical/Disability", "Unemp./Overext.", and "Sugg. by others". The third question is "Situation should improve in:" with options "1-3 months", "3-6 months", "6-12 months", and "Don't know". Below the "Query Panel" is a row of icons representing different scenarios: "BK Filing", "Unemp.", "No Money", "Refusal", and "Unmotivated". To the right of these icons is a "Clear All" button. The "Advice" section on the right contains a list of suggestions, each preceded by an asterisk. The suggestions are: "Educate on Negative effects of BK.", "Educate on Benefits of bringing Acct current.", "Negotiate pymt arrangement with CM.", "Suggest Other Sources of Money.", "First USA wants to help with their situation.", and "Steps to negotiate pymt arrangement with CM:". The "Advice" section also has a "Close" button at the bottom right.

First Coach

Query Panel

Has CM fully retained an attorney?
☐ Yes ☐ No

Why is CM planning to file for bankruptcy?
☐ Divorce/Marital ☐ Medical/Disability
☐ Unemp./Overext. ☐ Sugg. by others

Situation should improve in:
☐ 1-3 months ☐ 3-6 months
☐ 6-12 months ☐ Don't know

Advice

- * Educate on Negative effects of BK.
- * Educate on Benefits of bringing Acct current.
- * Negotiate pymt arrangement with CM.
- * Suggest Other Sources of Money.
- * First USA wants to help with their situation.
- *****
- * Steps to negotiate pymt arrangement with CM:

Advice **BK Filing** **Unemp.** **No Money** **Refusal** **Unmotivated** **Clear All** **Close**

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After answering the questions in the Query Panel and selecting the Advice button, First Coach will provide you with some suggestions to assist you in obtaining a payment from the CM.

First Coach Window with Advice (Refusal)

Fig-8

First Coach

Query Panel

Why is CM refusing to pay?

☐ Dispute ☐ Divorce/Marital

☐ Acct terms/Clsd ☐ Dissatisfied/Other

If DISPUTE, select type of dispute:

☐ Merch. dispute ☐ Repricing

☐ Misapp. pymt ☐ Other

If DISSATISFIED, select reason:

☐ Fees/Fin chrgs ☐ Service/Misinfo

☐ Too many calls ☐ Unresolved issue

Advice

- * Letter sent w/in 60 days of statement date?
- * Pymts still need to be made for at least 2% of the undisputed amount.
- * EDUCATE CM ON THE FACTS OF THE ACCT:
 - > Possibility of further action.
 - > Explain next steps in collection process (explain what charge off means).
 - > Stress differences between Acct. Past Due & acct. Charged Off.
- * MOTIVATE ON BENEFITS OF BRINGING ACCT CURRENT:
 - > The choice is really theirs. You are there to help them.

Buttons: Advice, \$, No Money, Refusal, Unmotivated, Clear All, Close

First Coach provides you with assistance on calls in which the Cardmember refuses to pay First USA because of issues relating to:

- Disputes
- Account Terms/Account Closed
- Divorce/Marital circumstances
- Dissatisfied/Other situation

Note: If the Cardmember cites “dispute” or “dissatisfaction” as the reason for refusing to pay First USA, you will need to answer the second or third question in the Query Panel to provide First Support with further information regarding the Cardmember’s situation.

First Coach Window with Advice (Unmotivated)

Fig. 9

First Coach

Query Panel

Why is CM unmotivated?

☒ Personal reason ☒ Svc.fail/Misinfo

☒ Acct trms/Clsd ☒ Credit damaged

Select profile which fits CM

☒ Student ☒ Divorced

☒ Retired ☒ Other

Does CM have money to pay FDSA?

☒ Yes ☒ No

QUICK REFERENCE OF

☒ Consequences ☒ Benefits

☒ Both

Advice

* Consequences of not paying:

- => Acct could be charged off
- => Negative credit in Credit Bureau Report
- => Assessment of Fees
- => Will be contacted every 5 to 7 days
- => Cannot get new loans
- => Cannot rent cars, stay in hotels, or travel
- => Will not have credit card in case of Emergencies
- => Future job prospects may be affected

* Benefits of pymt and bringing Acct current:

- => Save money on Fees
- => Rebuild credit
- => Possibility of Deinstatement

Buttons: Advice, BC Rent, Inc Red, No Money, Refusal, Unmotiv, Clear All, Close

In the Unmotivated, Income Reduced and No Money Query Panels, you have the ability to limit the number of categories of advice statements that are provided to you in their respective Advice Windows. Simply click on the type of feedback type(s) you would like to view.